

Red Cabbage Potion

Science Experiment



Method

1. Chop the red cabbage into small pieces.
2. Place it in the glass bowl and cover it with boiling water.
3. Leave the cabbage to soften in the water until the water has become dark purple in colour.
4. Strain the water through the sieve or filter paper.
5. Half fill the jar with cabbage water.
6. Pour the lemon juice into a plastic pot and place the pipette into the pot, ready for the children to use.
7. Spoon some bicarbonate of soda into a plastic pot and place the teaspoon into the pot, ready for the children to use.
8. Allow the children to explore the colour changing properties of the red cabbage indicator by adding lemon juice and bicarbonate of soda to the jar and using the teaspoon to stir the 'potion'.

The cabbage indicator should change to a pink/red colour in the lemon juice. It should change to green/yellow in the bicarbonate of soda mixture and remain a purple/blue colour in the water.

You will need:

- Red cabbage
- Knife
- Boiling water
- Glass bowl
- Sieve or coffee filter paper and funnel
- Dropper or syringe
- 2 teaspoons
- Clear jar (1 for each child doing the activity)
- 2 small plastic pots
- Lemon juice
- Bicarbonate of soda

